

BLASTX ALIGNMENT OF SEQID NO: 4 (PROTHROMBINASE-LIKE) WITH HUMAN PROTHROMBINASE Fg 12 PROTEIN (PROTHROMBINASE Fg12)

The Genbank database indicates that the fibrinogen-like protein is homologous (37% identity)

>gi|5730075 ref|NP_006673.1|| fibrinogen-like 2 precursor; fibroblast
>pir||S47273 pT49 protein - human >pir||I37391 fibrinogen-like
protein expressed in T lymphocytes (pT49) - human >emb|CAA85298.1|
(Z36531) fibrinogen-like protein [Homo sapiens] >gb|AAD10825.1|
(AF104015) fibrinogen-like protein 2 [Homo sapiens]
Length = 439

Score = 402 (141.5 bits), Expect = 5.7e-36, P = 5.7e-36
Identities = 109/291 (37%), Positives = 155/291 (53%)

PROTHROMBINASE-LIKE: 98 LRNMDEQASLDYLSNQVNELMNRVLLLTTEVFRKQLDPPHPRVQSHGL--DCTDIKD 155
+ N + D + A+L ++ VN L + ++ +Q+ RPVQ H + DC+D
PROTHROMBINASE Fg12: 169 IENYVDSKVANLTFV---VNSLDGKCKSCPSQ---EQIQS---RPVQ-HLIYKDCSDYY- 217
PROTHROMBINASE-LIKE: 156 TIGSVTKTPSGLYIIHPEGSSYPFEVCMMDYRGGGWTVIQKRIDGIIQRLWCDYLDG 215
IG K S Y + P+ + FEV CDM+ GGGWTV+Q R+DG +F R W DY G
PROTHROMBINASE Fg12: 218 AIG---KRSSETYRVTDPDPKNSFEVYCDMETMGGGWTVLQARLDGSTNFTRTWQDYKAG 274
PROTHROMBINASE-LIKE: 216 FGDLLGEFWLGLKKIFYIVNQKNTSFMLYVALESEDDTLAYASYDNFWELEDETRFFKMHL 275
FG+L EFWLG KI + K +L + LE + YA YD F++ +E +++H+
PROTHROMBINASE Fg12: 275 FGNLRREFWLGNDKIHLTKSKE--MILRIDLEDFNGVELYALYDQFYVANEFKYRLHV 332
PROTHROMBINASE-LIKE: 276 GRYSNAGDAFRGLKKEDNQNPSTSDVDNDGCRPACLVNGQSVKSCSHLHNKTGWWF 335
G Y+G AGDA R K N + F+T D DND P+ G +C L+ +GWWF
PROTHROMBINASE Fg12: 333 GNYNGTAGDALR-FNKHYNHDLKFFTPDKDNDRY-PS---G---NCG-LYYSSGWWF 381
PROTHROMBINASE-LIKE: 336 NECGLANLNG-IHFFSGKLLATGIQGTW--TKNNSPVKIKSVSMKIRRMYP-YFK 388
+ C ANLNG +H + + GI WGTW P KS + + M P +FK
PROTHROMBINASE Fg12: 382 DACLSANLNGKYYHQYRGVRNGIFWGTWPGVSEAHPPGGYKSSPFKAAMIRPKHFK 438

FIG. 1